

## Academic Resume



### Afraa Attiah

#### Assistant Professor, Information Technology Department

Technology education, research, culture and helping others with my knowledge that what interest me the most. I am looking forward to having any chance to improve my skills and my knowledge to be more successful in both life and career.

#### Contact Information.

Building 61, Room 159, aattiah@kau.edu.sa.

#### Highest Degree.

2018, Ph.D, Networks, University of Florida , USA.

#### Academic and Professional Experiences.

1. **2023 - 2023**  
Participate as Instructor with Mawhiba Academic Enrichment Program (CyberSecurity), , .
2. **2020 - 2020**  
Participation in the consultation for presenting a document that presents the ability to use the commercial and innovative of the frequency spectrum in the Kingdom of Saudi Arabia, College of Computing and Information Technology, King Abdulaziz University..
3. **2020 - 2020**  
Member of the committee of the preparation and building the scientific content for the Labor Market Skills Course,, College of Computing and Information Technology, King Abdulaziz University..
4. **2019 - 2021**  
Member of Graduation Projects jury and Academic Advisor, Department of Information Technology, College of Computing and Information Technology,, King Abdulaziz University.
5. **2019 - 2021**  
Leader of the excuses committee, Department of Information Technology, College of Computing and Information Technology, King Abdulaziz University..
6. **2019 - 2019**  
Member of the committee to review the test of the end of the standard program in the Department of Information Technology. Member of the Alumni Committee,, Department of Information Technology, College of Computing and Information Technology,, King Abdulaziz University.
7. **2018 - Present**  
Assistant Professor in Computing and Information Technology College in King Abdulaziz University, Saudi Arabia ( Information Technology department), , .
8. **2018 - 2018**  
Member of Graduation Projects jury, Department of Information Technology, College of Computing and Information Technology, King Abdulaziz University.

## Academic and Professional Experiences.

9. **2018 - 2018**  
Graduate Teacher Assistant (GTA) in College of Engineering and Computer Science, UCF, Orlando, USA  
( Lab and Graders), , .
10. **2008 - 2018**  
Teacher Assistance (TA) in Computing and Information Technology College in King Abdulaziz University,  
Saudi Arabia., , .
11. **2007 - 2008**  
Teacher Assistance (TA) in Umm Al-Qura University, Saudi Arabia., , .

## Research Interests.

Network modelling, Cybersecurity, Energy efficiency in wireless sensor networks, , Applying game theory, Biomedical engineer, Artificial Intelligence, and Human-machine interaction.

## Teaching Interests.

Introduction of computing, Computer networks, Cybersecurity.

## Certifications and Trainings.

1. Certificate of Excellence in recognition of participation in the 11th annual Graduate Research Forum at the University of Central Florida &ndash; poster presentation (EE-MAC: Energy efficient sensor mac layer protocol).
2. Preparing Tomorrow&rsquo;s Faculty certificate at University of Central Florida.
3. Yellow Belt in SIX SIGMA certificate , University of Central Florida (Department of Industrial Engineering and Management Systems).
4. Biomedical Engineer and Build Bionic Arm for kids with 3D printer and EMG sensor with Limbitless Solutions INC- University of Central Florida, Orlando, FL, USA.
5. Workshop of Electronic learning by using the technology of Bb, King Abdulaziz University.
6. Workshop of Building the electronic contents and reusing it in the Bb, King Abdulaziz University..
7. Workshop of Ethical Hacker with EC-Council.
8. IOS App Development with Swift Trainer Certification.
9. Certified Ethical Hacker, EC-Council (Trainee).
10. CCNAv7: Introduction to Networks course (Certified Trainer)..
11. CCNAv7: Switching, Routing, and Wireless Essentials (Certified Trainer)..

## Social, Scientific and Professional Affiliation.

1. -, Membership, IEEE- Institute of Electrical and Electronics Engineers Advancing Technology for Humanity.
2. -, Membership, Delta Epsilon Iota Academic Honor Society.

## Excellence Awards and Patents.

1. 2017, International, Graduate Travel /Presentation Fellowship, University of Central Florida.
2. 2009, Interior, Postgraduate Scholarship, King Abdul-Aziz University.
3. 2016, Interior, Fellowship Sponsored, Government in Saudi Arabia.

## Publications.

1. Abeer Hakeem, Layan Fakhurji, Raneem Alshareef, Elaf Aloufi, Manar Altairy, Afraa Attiah, and Linda Mohaisen, "Grocafast: Revolutionizing Grocery Shopping For Seamless Convenience And Enhanced User Experience", International Journal Of Advanced Computer Science And Applications(Ijacs), 2024.
2. Shahriar Md Arman, Tao Yang, Shahadat Shahed, Alanoud Al Mazroa, Afraa Attiah, Linda Mohaisen, "A Comprehensive Survey For Privacy-Preserving Biometrics: Recent Approaches, Challenges, And Future Directions", Computers, Materials & Continuum, vol: 78, pp. 2087-2110, 2024.  
DOI: [10.32604/cmc.2024.047870](https://doi.org/10.32604/cmc.2024.047870)
3. Shatha Alharbi, Alharbi, Shatha; Alghazzawi, Daniyal ; Hakim, Abeer; Mohaisen, Linda; Cheng, Li; Attiah, Afraa, "A Blockchain-Based Collaborative Intrusion Detection Systems Framework", Ieee Internet Of Things Journal, 2023.
4. Shatha Alahmadi, Abeer Hakeem, Afraa Attiah, Bandar Alghamdi, Linda Mohaisen, "Towards Scalable And Privacy-Enhanced On-Street Parking Management: A Roadmap For Future Inquiry", Electronics, vol: 12, pp. 4160, 2023.  
DOI: [10.3390/electronics12194160](https://doi.org/10.3390/electronics12194160)
5. Shatha Alharbi, Afraa Attiah, Daniyal Alghazzawi, "Integrating Blockchain With Artificial Intelligence To Secure Iot Networks: Future Trends", Sustainability, vol: 14, pp. 16002, 2022.  
DOI: [10.3390/su142316002](https://doi.org/10.3390/su142316002)
6. Wejdan Aljaghthami\*, Mohammad Zafar and Afraa Attiah, "Efficient Energy Aware Routing Mechanism For Wireless Body Area Networks," Computers, Materials & Continuum (Cmc, Issn: 1546-2218), 2021, 2021.
7. Afraa Attiah, Enas F Khairullah, "Eye-Blink Detection System For Virtual Keyboard", 2021 National Computing Colleges Conference (Nccc), 2021.
8. A. Attiah, M. Chatterjee, and C. C. Zou, "A Game Theoretic Approach To Model Cyber Attack And Defense Strategies", , In Ieee International Conference On Communications (Icc),, 2018.
9. A. Attiah, M. F. Amjad, M. Chatterjee, and C. Zou, "An Evolutionary Routing Game For Energy Balance In Wireless Sensor Networks," In Elsevier Computer Networks (Comnet),, 2018.
10. A. Attiah, M. Chatterjee, and C. C. Zo, "A Game Theoretic Approach For Energy-Efficient Clustering In Wireless Sensor Networks," Wireless Communications And Networking Conference (Wcnc), Pp. 1&Ndash;6, Ieee., 2017.
11. Faisal Amjad, Baber Aslam, Affraa Attiah, Cliff C. Zou, "Towards Trustworthy Collaboration In Spectrum Sensing For Ad Hoc Cognitive Radio Networks", In Springer Journal Of Wireless Networks, Vol. 22, Issue 3, Pp 781- 797, 2016.
12. A. Attiah, M. F. Amjad, O. Nakhila, and C. Zou, "Adp: An Adaptive Feedback Approach For Energy-Efficient Wireless Sensor Networks," In 2016 Inter- National Conference On Computing, Networking And Communications (Icnc), Pp. 1&Ndash;7, Ieee., 2016.
13. A. Attiah, M. F. Amjad, M. Chatterjee, and C. Zou, "An Evolutionary Game For Efficient Routing In Wireless Sensor Networks", Global Communications Conference (Globecom), Pp. 1&Ndash;7, Ieee., 2016.
14. Omar Nakhila, Afraa Attiah, Yier Jin, Cliff C. Zou, "Parallel Active Dictionary Attack On Wpa2-Psk Wi-Fi Networks," In Military Communications Conference, Milcom 2015-2015 Ieee, 2015.
15. A. Attiah, M. I. Ak- bas, M. Chatterjee, and D. Turgut, "Ee-Mac: Energy Efficient Sensor Mac Layer Protocol", In Local Computer Networks Workshops (Lcn Workshops), 38th Conference On, Pp. 116&Ndash; 119, Ieee., 2013.